



Australian Bureau of Statistics

CensusAtSchool Australia

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Resources



CaSQ 18 - Column Graph of Internet Use Using Excel

You can download this activity as a rich text file (RTF) using the link at the bottom of the page.

How to: Get a Random Sample from CensusAtSchool

Go to the CensusAtSchool Random Sampler to download a sample.

Reference year: *(select year)* **Sample size:** *50 students*

Select questions: *Internet use*

Location: *Select location* **Year level:** *(select a range of year levels)*

To protect privacy there is a rule built into the sampler that the requested sample size cannot exceed 10% of the respondents for the parameters entered.

Task One: Organising your data

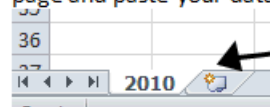
In the CensusAtSchool random sample find data for Internet use.

1. Select one type of use e.g. emailing friends and family

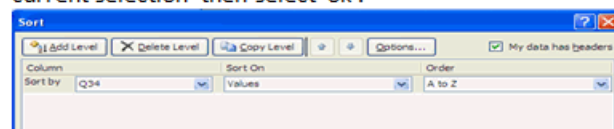
1. Move your cursor to the top of the column until you have an arrow. Click to select the whole column. Right click or go to Edit to select Copy.

IntEmail
Rarely
Often
Rarely
Rarely
Rarely
Sometime
Never
Never
Rarely

2. Select a new sheet from the tab at the bottom of the page and paste your data.



3. Order your data by first selecting it, then go to the Sort and Filter tab, select Sort then choose 'continue with current selection' then select 'ok'.



4. In empty cells set up a frequency table with headings for each of the usages in your sample. Borders can be altered from the Home menu.

emailing friends & family	Frequency
never	
rarely	
sometimes	
often	
total	

5. Click into the empty cell next to your first category. To do a count and enter the frequency enter:

=COUNTIF(a2:a52,"never")

where a2 is the first cell of the data a52 is the last cell in the column. Category is in quotation marks. Repeat this for each category in your table.

6. Check you have the correct total by finding the sum of your totals.

In the empty cell beside total in your table enter

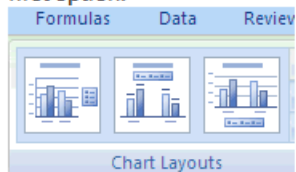
=SUM(c3:c6)

Where c3 is the first category amount and c6 is the last.

Task Two: Creating a Column Graph

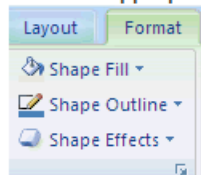
1. Select the data (excluding the heading and total) for your category in the frequency table. Go to Insert and select Column to draw your chart.

2. In Chart Layouts choose the first option.

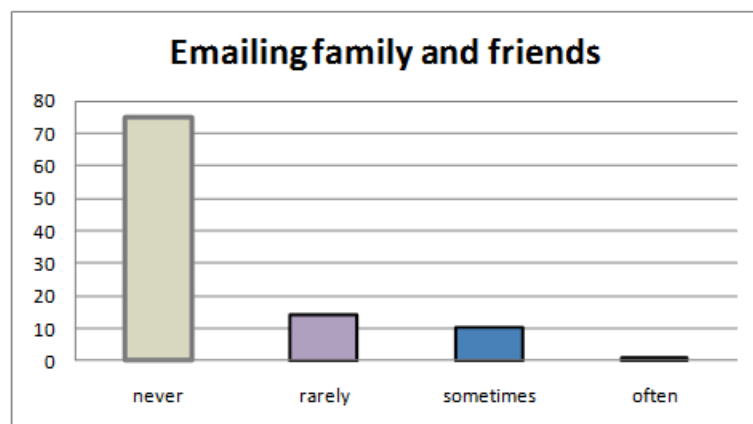


3. Give your chart a title by clicking on Chart Title and typing a title.

4. You can change colours in your chart if you want. Click twice in a sector above the label. Go to Format then Shape Fill to select an appropriate colour.



5. Your final column graph should look something like this



6. You can open a Word document and select and copy your chart and frequency table.

Paste it into your document and write a few sentences about what you discovered.

7. Finally it would be interesting *and* quick to repeat The process for one of the other types of internet use so that You can compare your results with your first investigation.



Download the full activity:



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